

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[LQ 0121]

**JANUARY 2021**

**Sub. Code: 2982**

**(APRIL 2020 EXAM SESSION)**

**M.PHARMACY DEGREE EXAMINATION**

**SEMESTER-I (PCI New regulations 2016)**

**PHARMACOLOGY – MPL**

**PAPER II – ADVANCED PHARMACOLOGY – I**

***Q.P. Code : 262982***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. a) Define the term Bio-transformation and explain Phase –II metabolic reactions.  
b) Discuss the mechanism of metabolism induction and inhibition citing with examples.
2. Explain the role of excitatory and inhibitory neurotransmitters in the synaptic transmission.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Treatment of Organo phosphorous compound poisoning.
2. Centrally acting skeletal muscle relaxants.
3. Cox-II Inhibitors.
4. MAO-Inhibitors.
5. Heparin and Low Molecular Weight Heparin.
6. Classify antidepressant drugs and briefly explain about atypical anti-depressant drugs.
7. Physiological and pathological role prostaglandins.

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